

# BUILT BY GENERAL MOTORS

# Fueled by Kansas Farmers



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**109 SW 9TH STREET • TOPEKA, KS 66612 • (785) 296-3556 • [www.ksda.gov](http://www.ksda.gov)**

E85 is now featured at these Kansas filling stations

**Bosselman Travel Center**  
1944 N 9th  
Salina

**Producers Coop**  
300 East St. John  
Girard

**Golden Belt 66**  
1000 Main Street  
Great Bend

**Cenex**  
500 W Lelande (Highway 56)  
Sublette

**Maize Kwik Shop #728**  
5340 North Maize Road  
Maize

**Frontier Equity**  
428 Kansas Avenue  
Brewster

**S & S Oil Cardlock #1**  
711 Anderson Street  
Emporia

**Frontier Equity Exchange**  
209 West Highway 36  
Bird City

**Moeder Oil Company, Inc.**  
2302 Rail Road Avenue  
Great Bend

**Capital City Oil**  
4141 NW Lower Silver Lake Road  
Topeka

**Petro Plus**  
120 South Maple Street (Highway 59)  
Garnett

**Cenex**  
1202 West Highway 24  
Goodland

## Fueled by Kansas Farmers

In 2005, General Motors offered the states in the Governors' Ethanol Coalition a one-year, no-cost lease of an E85 vehicle. Governor Kathleen Sebelius received the keys to the flex-fuel vehicle on Agriculture Day 2005. Since that time it had traveled more than 26,000 miles around the state, carrying a graphic message about ethanol, an alternative renewable fuel.

GM renewed the offer in 2006, and Kansans are seeing a new flex-fuel Tahoe at fairs and shows and on the streets and highways of Kansas. The vehicle, with its eye-catching wrap, runs on a blend of 85 percent ethanol and 15 percent gasoline, on regular unleaded gasoline, or on E10 ethanol.

The Governors' Ethanol Coalition is a bipartisan alliance of 37 states, Puerto Rico and four other nations. Governor Sebelius is the 2006 chairman of the group, which is dedicated to educating local and national policy makers on the environmental and economic benefits of ethanol and other renewable fuels.

There are a growing number of E85 fueling stations in Kansas. Current locations are listed on the front of this fact sheet. Work is under way to add more E85 fueling sites in Kansas in 2006. For information on locations in other states, visit the National Ethanol Vehicle Coalition website at [www.e85fuel.com/database/search.php](http://www.e85fuel.com/database/search.php).

To learn more about ethanol, Kansas ethanol production and other renewable fuels, visit:

Kansas Department of Agriculture  
[www.ksda.gov](http://www.ksda.gov)

Governors' Ethanol Coalition  
[www.ethanol-gec.org/](http://www.ethanol-gec.org/)

GM Alternative Fuels  
[www.gm.com/automotive/innovations/altfuel/](http://www.gm.com/automotive/innovations/altfuel/)

## Facts About Ethanol and E85

Ethanol is a clean-burning, domestically produced fuel usually made from corn or sorghum. Its production and consumption benefit Kansas agriculture, our work force, our economy and the environment.

Ethanol is most often found in E10 (10 percent ethanol and 90 percent regular gasoline) or E85 (85 percent ethanol) blends. All cars can use E10, but only flexible-fuel vehicles can use E85.

All American car makers are manufacturing flexibl-fuel vehicles that can run on either E85 or regular unleaded gasoline. There are more than 5 million of them on the road now, which increases the need for E85 fueling stations.

## Kansas Ethanol Production

Kansas-grown corn and sorghum are the primary sources of the more than 215 million gallons of ethanol produced in our state. We expect production to double in the next year.

Kansas currently has eight dry-mill ethanol plants:

- U.S. Energy Partners (Russell) can produce 40 million gallons per year from 14 million bushels of grain.
- MGP Ingredients (Atchison) can produce 9 million gallons of fuel-grade ethanol and 20 million gallons of food-grade alcohol per year. They use roughly 10 million bushels of grain a year.
- Abengoa Bioenergy Corporation (Colwich) can produce 25 million gallons per year from 9 million bushels of grain.
- Reeve Agri-Energy (Garden City) can produce 11 million gallons per year from 4 million bushels of grain.
- ESE Alcohol (Leoti) can produce 1.1 million gallons per year from nearly half a million bushels of grain.
- Western Plains Energy (Campus) can produce 40 million gallons per year from 10.7 million bushels of grain.

- East Kansas Agri Energy (Garnett) can produce 35 million gallons from 13 million bushels of grain.
- Prairie Horizon Agri Energy (Phillipsburg) can produce 40 million gallons from more than 15 million bushels of grain.

Ground has been broken for plants at Garden City and Liberal.

## Ethanol Benefits Agriculture and Local Economies

Ethanol plants increase the price of corn and sorghum raised by nearby farmers. They also provide jobs and related economic activity in rural communities. Many plants are farmer-owned and contribute the most revenue to local areas. Byproducts from ethanol plants are used for animal feed, and carbon dioxide recovered during the production process can be used as a crop nutrient or for oil recovery.

## Ethanol's Energy Balance

According to the most recent study by the U.S. Department of Agriculture and the U.S. Department of Energy, the energy balance of ethanol is between 1 to 1.35 and 1 to 1.67. That means ethanol produces more energy than is used to produce the fuel. Efficiencies in agriculture and ethanol processing are steadily improving the positive net energy ratio. To learn more, read "The 2001 Net Energy Balance of Corn-Ethanol" at [www.ethanol-gec.org/net-bal-corn-eth-2001.pdf](http://www.ethanol-gec.org/net-bal-corn-eth-2001.pdf).

## Ethanol Helps Meet Rising Energy Demand

Energy demand is a worldwide issue. The U.S. has nearly tripled its energy use in the last 50 years, and other nations, most notably China and India, are increasing their consumption at a rapid rate. New, renewable sources of energy are now a requirement, not a luxury.

## How do I know if E85 is for me?

Ford, DaimlerChrysler and General Motors all produce flexible-fuel vehicles. E85 can only be used in flexible-fuel vehicles, which are designed to operate on any combination of gasoline and ethanol up to 85 percent ethanol. Many people already own flexible-fuel vehicles but are not aware of it. Look in your owner's manual, look inside of the fuel door, or visit [www.E85fuel.com](http://www.E85fuel.com) to ensure E85 compatibility.